

Title (en)  
METHOD AND APPARATUS FOR EQUALIZING A SPEECH SIGNAL GENERATED WITHIN A SELF-CONTAINED BREATHING APPARATUS SYSTEM

Title (de)  
METHODE UND ANORDNUNG ZUR ENTZERRUNG DES SPRACHSIGNALS ERZEUGT INNERHALB EINES AUTONOMEN ATEMSCHUTZGERÄT SYSTEM

Title (fr)  
PROCEDE ET APPAREIL D'EGALISATION D'UN SIGNAL VOCAL PRODUIT DANS UN SYSTEME D'APPAREIL RESPIRATOIRE AUTONOME

Publication  
**EP 1769493 A4 20070822 (EN)**

Application  
**EP 05756478 A 20050606**

Priority  
• US 2005019827 W 20050606  
• US 88245004 A 20040630

Abstract (en)  
[origin: US2006020451A1] A method for equalizing a speech signal generated within a pressurized air delivery system, the method including the steps of: generating an inhalation noise model ( 1152 ) based on inhalation noise; receiving an input signal ( 802 ) that includes a speech signal; and equalizing the speech signal ( 1156 ) based on the noise model.

IPC 8 full level  
**G10L 21/02** (2006.01); **B63C 11/26** (2006.01); **G10L 11/02** (2006.01); **G10L 15/06** (2006.01); **G10L 15/20** (2006.01)

CPC (source: EP US)  
**B63C 11/26** (2013.01 - EP US); **G10L 15/20** (2013.01 - EP US); **G10L 21/0208** (2013.01 - EP US); **G10L 25/78** (2013.01 - EP US); **G10L 2021/03643** (2013.01 - EP US)

Citation (search report)  
• [A] US 2002198704 A1 20021226 - RAJAN JEBU JACOB [GB], et al  
• [A] VASSILEV A V: "Improvement of the diver speech intelligibility in underwater communications using LPC", OCEANS '96. MTS/IEEE. PROSPECTS FOR THE 21ST CENTURY. CONFERENCE PROCEEDINGS FORT LAUDERDALE, FL, USA 23-26 SEPT. 1996, NEW YORK, NY, USA, IEEE, US, vol. 3, 23 September 1996 (1996-09-23), pages 1504 - 1509, XP010203777, ISBN: 0-7803-3519-8  
• [A] MEARES D J: "Broadcast-quality speech from diving helmets", JOURNAL OF THE AUDIO ENGINEERING SOCIETY, AUDIO ENGINEERING SOCIETY, NEW YORK, NY, US, vol. 37, no. 11, November 1989 (1989-11-01), pages 927 - 933, XP009086220, ISSN: 1549-4950  
• [A] BRYAN WOODWARD ET AL: "Digital Underwater Acoustic Voice Communications", IEEE JOURNAL OF OCEANIC ENGINEERING, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 21, no. 2, April 1996 (1996-04-01), XP011042324, ISSN: 0364-9059  
• See references of WO 2006007290A2

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**US 2006020451 A1 20060126; US 7254535 B2 20070807**; AU 2005262623 A1 20060119; AU 2005262623 B2 20080703; CA 2572715 A1 20060119; CA 2572715 C 20120403; CN 101010731 A 20070801; DE 602005008974 D1 20080925; EP 1769493 A2 20070404; EP 1769493 A4 20070822; EP 1769493 B1 20080813; JP 2008505538 A 20080221; JP 4468447 B2 20100526; MX PA06015235 A 20070326; WO 2006007290 A2 20060119; WO 2006007290 A3 20060601; WO 2006007290 B1 20060824

DOCDB simple family (application)  
**US 88245004 A 20040630**; AU 2005262623 A 20050606; CA 2572715 A 20050606; CN 200580021985 A 20050606; DE 602005008974 T 20050606; EP 05756478 A 20050606; JP 2007519235 A 20050606; MX PA06015235 A 20050606; US 2005019827 W 20050606